

4.2.D. 0604000304 (Lick Creek).

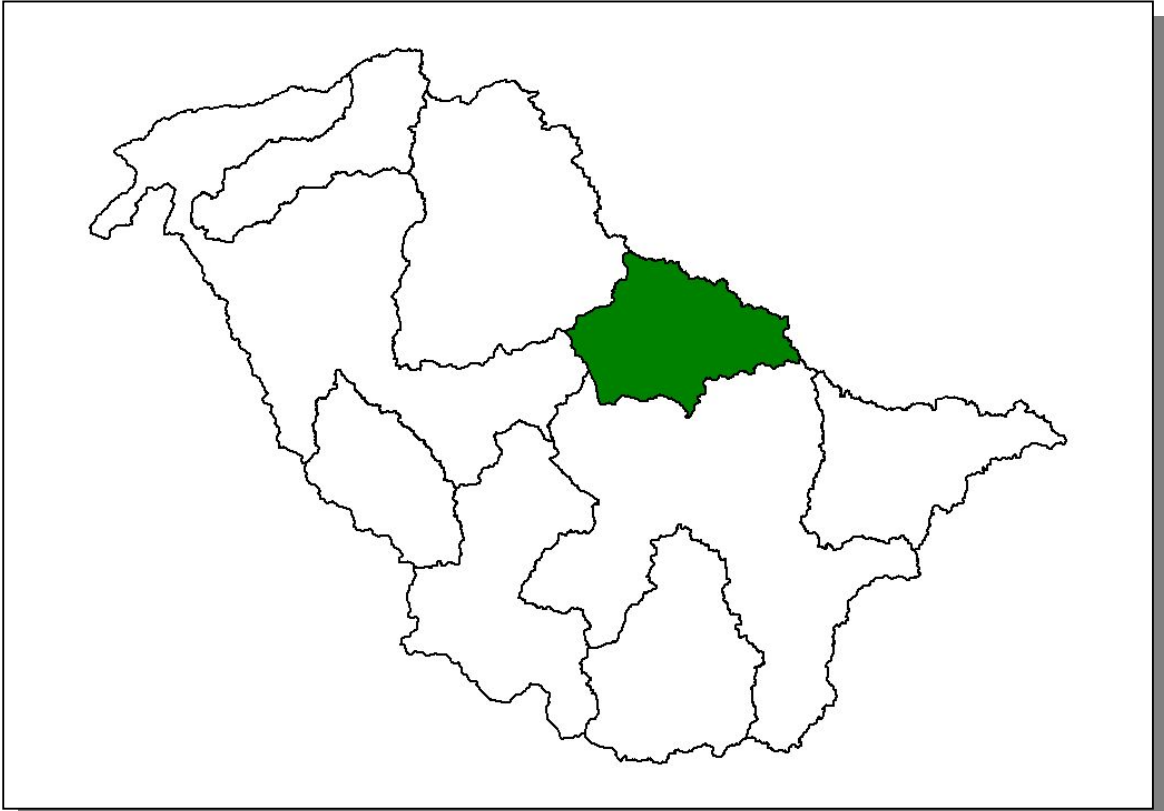


Figure 4-40. Location of Subwatershed 0604000304. All Lower Duck HUC-10 subwatershed boundaries are shown for reference.

4.2.D.i. General Description.

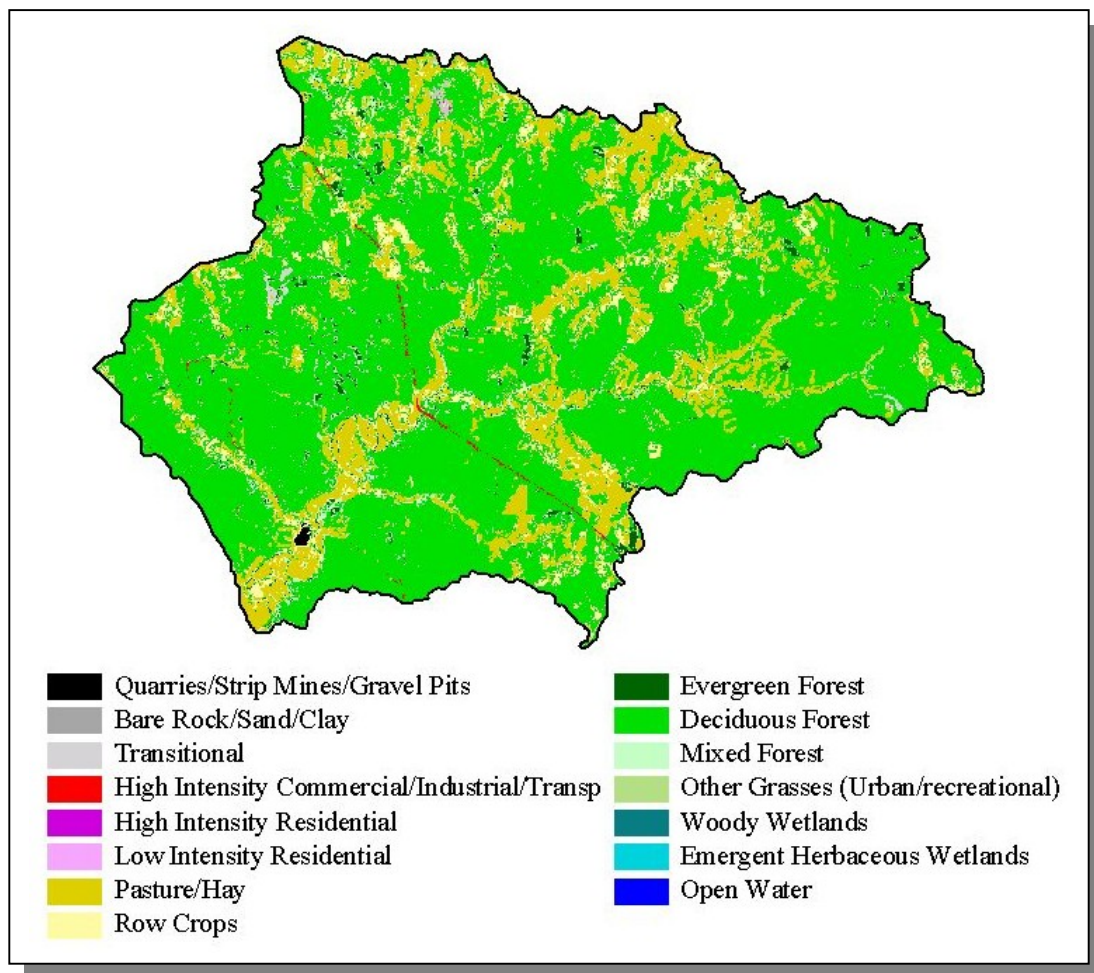


Figure 4-41. Illustration of Land Use Distribution in Subwatershed 0604000304.

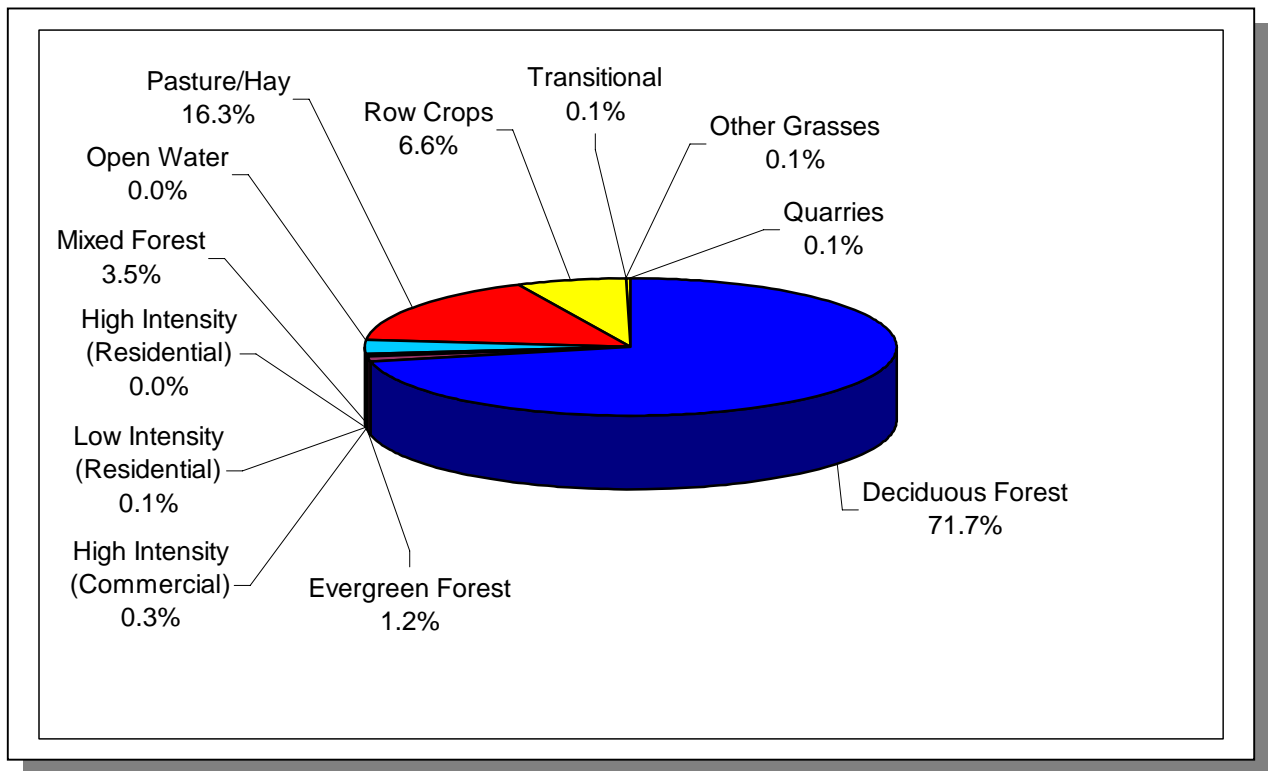


Figure 4-42. Land Use Distribution in Subwatershed 0604000304. More information is provided in Appendix IV.

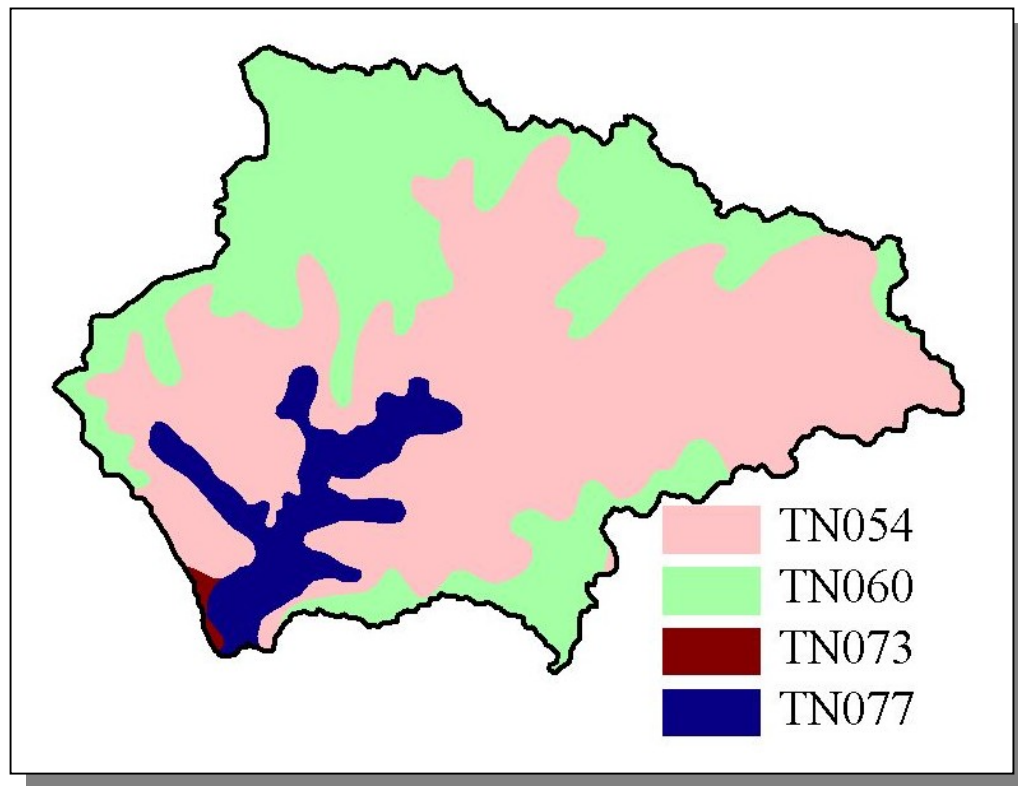


Figure 4-43. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 0604000304.

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN054	0.00	C	3.04	4.84	Loam	0.32
TN060	5.00	B	1.30	5.32	Silty Loam	0.39
TN073	0.00	B	2.97	5.21	Loam	0.34
TN077	4.00	C	2.16	5.03	Loam	0.34

Table 4-20. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 0604000304. More information is provided in Appendix IV.

County	COUNTY POPULATION			Portion of Watershed (%)	ESTIMATED POPULATION IN WATERSHED			% Change (1990-1997)
	1990	1997	2000		1990	1997	2000	
Hickman	16,754	19,926	22,295	9.40	1,575	1,873	2,096	33.1
Maury	54,812	68,268	69,498	2.14	1,171	1,458	1,485	26.8
Williamson	81,021	111,453	126,638	5.08	4,117	5,663	6,435	56.3
Totals	152,587	199,647	218,432		6,863	8,994	10,106	45.9

Table 4-21. Population Estimates in Subwatershed 0604000304.

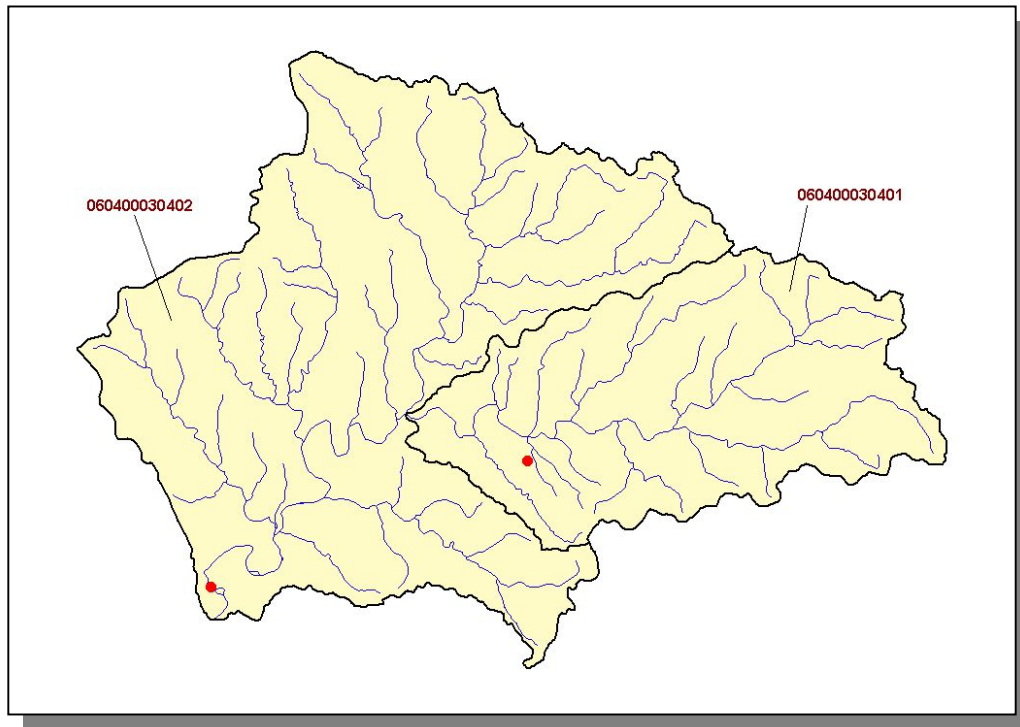


Figure 4-44. Location of STORET Monitoring Sites in Subwatershed 0604000304. Subwatershed 060400030401 and 060400030402 boundaries are shown for reference. More information, including site names and locations, is provided in Appendix IV.

4.2.D.ii. Point Source Contributions.

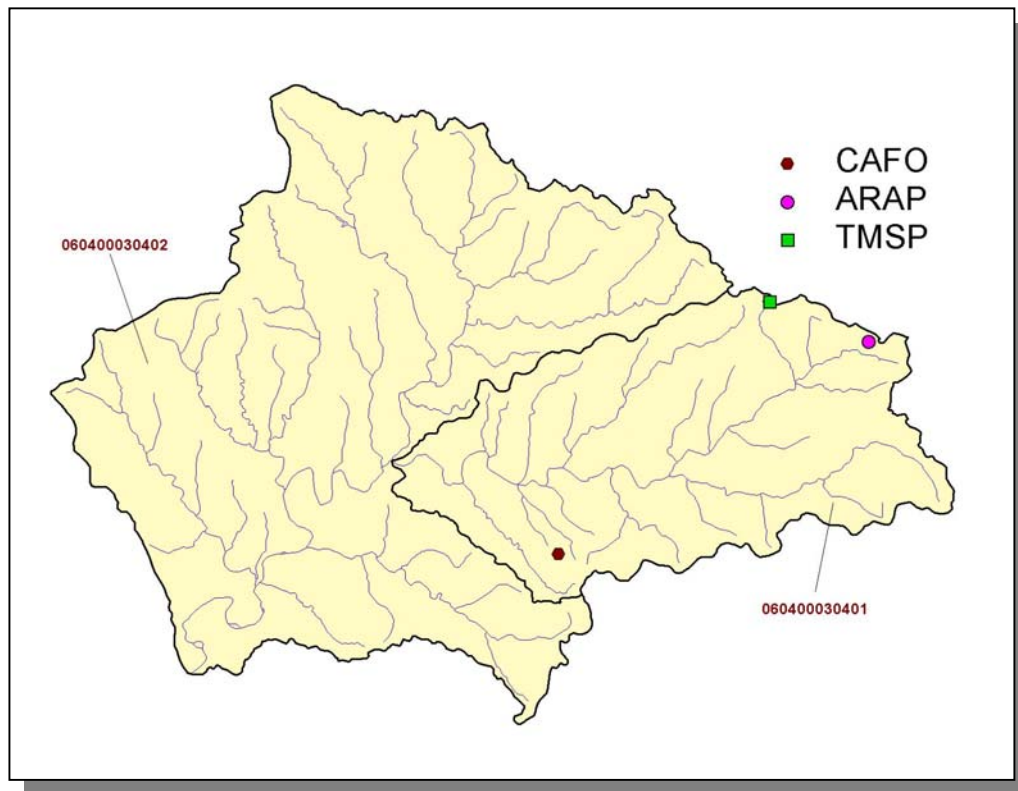


Figure 4-45. Location of Active Point Source Facilities in Subwatershed 0604000304. Subwatershed 060400030401 and 060400030402 boundaries are shown for reference. More information is provided in Appendix IV.

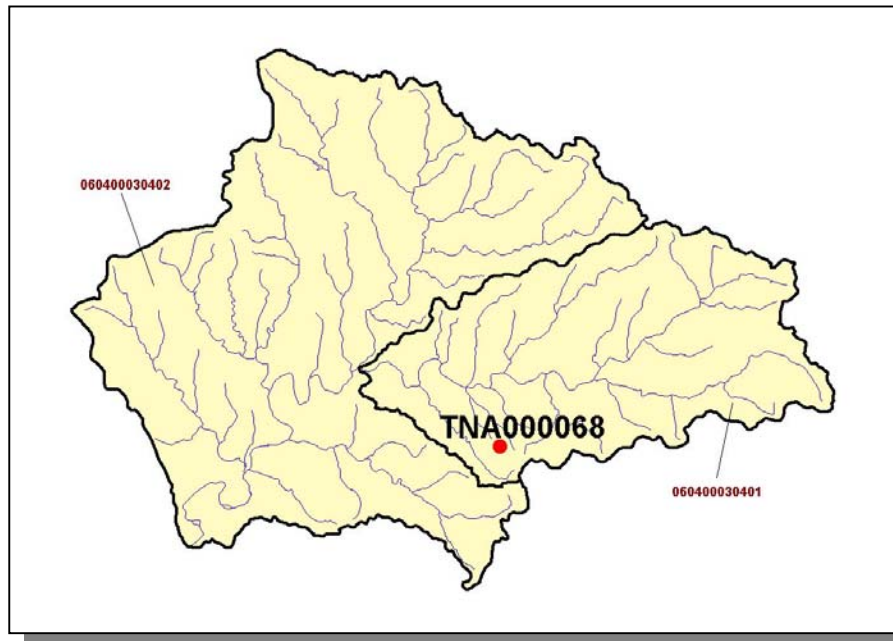


Figure 4-46. Location of Concentrated Animal Feeding Operations (CAFO) in Subwatershed 060400030404. Subwatershed 060400030401 and 060400030402 boundaries are shown for reference. More information is provided in Appendix IV.

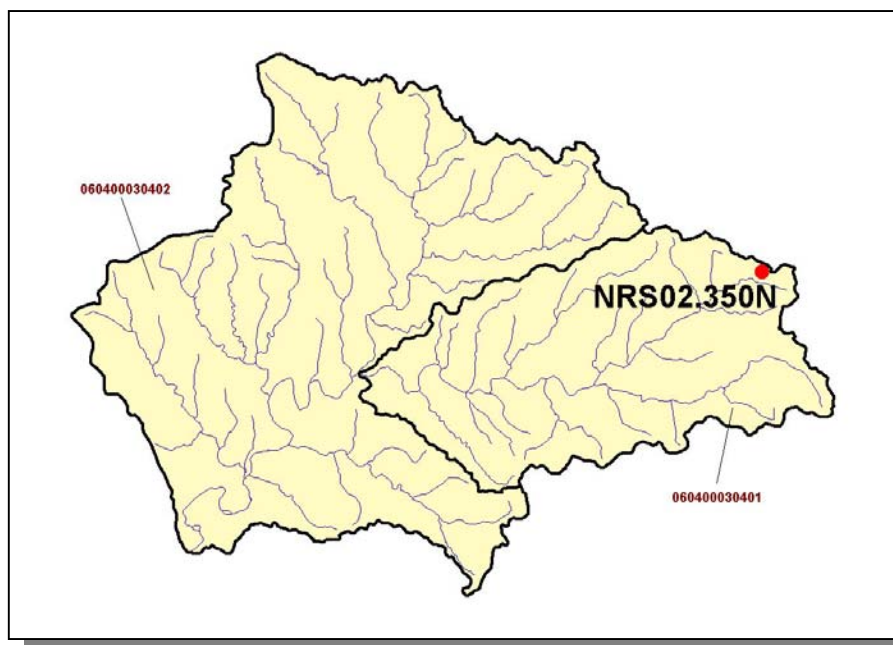


Figure 4-47. Location of ARAP Sites (Individual Permits) in Subwatershed 060400030404. Subwatershed 060400030401 and 060400030402 boundaries are shown for reference. More information is provided in Appendix IV.

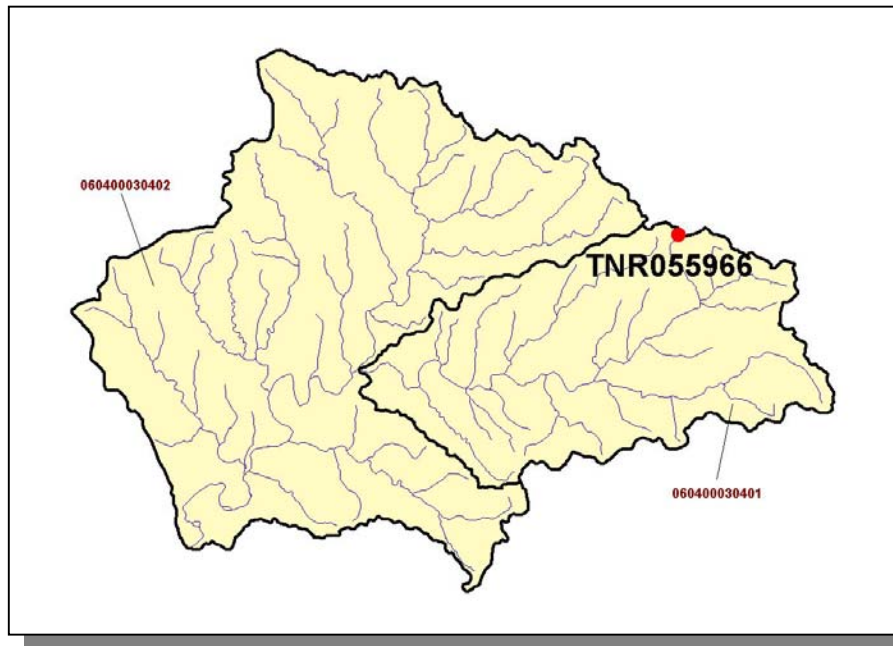


Figure 4-48. Location of TMSF Facilities in Subwatershed 060400030402. Subwatershed 060400030401 and 060400030402 boundaries are shown for reference. More information is provided in Appendix IV.

4.2.D.iii. Nonpoint Source Contributions.

LIVESTOCK (COUNTS)						
Beef Cow	Milk Cow	Cattle	Chickens (Layers)	Chickens Sold	Hogs	Sheep
2,780	112	5,317	8	<5	601	34

Table 4-22. Summary of Livestock Count Estimates in Subwatershed 0604000304.
According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older; "Chickens Sold" are all chickens used to produce meat.

County	INVENTORY		REMOVAL RATE	
	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Hickman	297.2	297.2	5.8	23.0

Table 4-23. Forest Acreage and Average Annual Removal Rates (1987-1994) in Subwatershed 0604000304.

CROPS	TONS/ACRE/YEAR
Legume (Pastureland)	0.56
Grass (Pastureland)	0.96
Grass (Hayland)	0.14
Legumes (Hayland)	1.03
Legumes, Grass (Hayland)	0.25
Grass, Forbs, Legumes (Mixed Pasture)	0.65
Forest Land (Not Grazed)	0.00
Forest Land (Grazed)	0.00
Corn (Row Crops)	5.18
Soybeans (Row Crops)	5.12
Tobacco (Row Crops)	7.37
All Other Row Crops	11.45
Wheat (Close-Grown Cropland)	1.27
Other Cropland not Planted	5.84
Conservation Reserve Program Lands	0.52
Non-Agricultural Land Use	0.00
Other Land in Farms	0.12
Farmsteads and Ranch Headquarters	0.22

Table 4-24. Annual Soil Loss in Subwatershed 0604000304.